

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|--------------------|------------------|---------|------------------|
| L1 | 13 | "5079980" | US-PGPUB; USPAT | OR | OFF | 2007/09/17 11:31 |
| L2 | 2 | "2657926" | US-PGPUB; USPAT | OR | OFF | 2007/09/17 12:07 |
| L3 | 1133 | au.inv. | US-PGPUB; USPAT | OR | OFF | 2007/09/17 12:08 |
| L4 | 0 | 3 and linear with trimmer | US-PGPUB; USPAT | OR | ON | 2007/09/17 12:09 |
| L5 | 0 | 3 and (linear with trimmer) | US-PGPUB; USPAT | OR | ON | 2007/09/17 12:09 |
| L6 | 1 | 3 and (linear with feed\$4) and trim\$5 and film | US-PGPUB; USPAT | OR | ON | 2007/09/17 12:10 |
| L7 | 10 | 3 and (linear with feed\$4) | US-PGPUB; USPAT | OR | ON | 2007/09/17 12:10 |
| S1 | 0 | 2002/0109217 | US-PGPUB; USPAT | OR | OFF | 2004/10/13 14:19 |
| S2 | 2 | "0109217" | US-PGPUB; USPAT | OR | OFF | 2004/10/13 14:19 |
| S3 | 1 | "20020109217" | US-PGPUB; USPAT | OR | OFF | 2004/10/13 14:24 |
| S4 | 0 | "20020109217".URPN. | USPAT | OR | OFF | 2004/10/13 14:21 |
| S6 | 25 | 257/686,668,684,783.ccls. and film and roll\$4 and feed\$4 and (trim\$4 or cut\$4) | US-PGPUB; USPAT | OR | OFF | 2006/03/30 20:12 |
| S7 | 47 | 257/686.ccls. and film and feed\$4 and (trim\$4 or cut\$4) | US-PGPUB; USPAT | OR | OFF | 2004/10/13 14:39 |
| S8 | 328 | 83/177.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/10/13 14:58 |
| S9 | 21640 | "83"/\$.ccls. and (film or web or adhesive) and (trim\$4 or cut\$4) snd vacuum and feed and sensor | US-PGPUB; USPAT | OR | OFF | 2004/10/13 14:59 |
| S10 | 18206 | "83"/\$.ccls. and (film or web or adhesive) and (trim\$4 or cut\$4) snd vacuum and feed and sensor and move\$4 | US-PGPUB; USPAT | OR | OFF | 2004/10/13 15:00 |
| S11 | 12666 | "83"/\$.ccls. and (film or web or adhesive) and (trim\$4 or cut\$4) snd vacuum and feed and sensor and move\$4 and roll\$4 | US-PGPUB; USPAT | OR | OFF | 2004/10/13 15:01 |
| S12 | 7936 | "83"/\$.ccls. and (film or web or adhesive) and (trim\$4 or cut\$4) snd vacuum and feed and sensor and move\$4 and roll\$4 and hold\$4 and gap | US-PGPUB; USPAT | OR | OFF | 2004/10/13 15:30 |

EAST Search History

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|-----|-----|--|---|----|-----|------------------|
| S13 | 21 | "83"/\$.ccls. and (film or web or adhesive) and (trim\$4 or cut\$4) and vacuum and feed and sensor and move\$4 and roll\$4 and hold\$4 and gap | US-PGPUB; USPAT | OR | OFF | 2004/10/13 15:03 |
| S14 | 2 | "4995219".URPN. | USPAT | OR | OFF | 2004/10/13 15:10 |
| S15 | 21 | "83"/\$.ccls. and (film or web or adhesive) and (trim\$4 or cut\$4) and vacuum and feed and sensor and move\$4 and roll\$4 and hold\$4 and gap | US-PGPUB; USPAT | OR | OFF | 2004/10/13 15:44 |
| S16 | 888 | 257/668.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/10/13 15:45 |
| S17 | 20 | "4964214" | US-PGPUB; USPAT | OR | OFF | 2004/10/13 19:59 |
| S18 | 1 | "10366210" | US-PGPUB; USPAT | OR | OFF | 2004/10/14 10:19 |
| S19 | 8 | "3391429" | US-PGPUB; USPAT | OR | OFF | 2004/10/14 10:17 |
| S20 | 7 | "3391429".URPN. | USPAT | OR | OFF | 2004/10/14 10:17 |
| S21 | 1 | "1304765" | US-PGPUB; USPAT | OR | OFF | 2004/10/14 10:18 |
| S22 | 0 | "1304765".URPN. | USPAT | OR | OFF | 2004/10/14 10:19 |
| S23 | 7 | "1304765" | EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 10:21 |
| S24 | 8 | "1304765" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 10:52 |
| S25 | 0 | tungsten same vanadim same blade | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 10:53 |
| S26 | 85 | tungsten same vanadium same blade | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 10:54 |
| S27 | 48 | tungsten same vanadium same blade and cut\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 14:19 |

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|-----|------|--|---|----|-----|------------------|
| S28 | 661 | 83/835.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 14:19 |
| S29 | 263 | 57/408.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 14:20 |
| S30 | 698 | 19/114,112,97.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/10/14 14:20 |
| S31 | 3308 | 257/686,668,684,783.ccls. | US-PGPUB; USPAT | OR | OFF | 2004/11/10 17:48 |
| S34 | 6448 | 83/177,452,453,454,209,210,211, 221,98,613,167,649.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 08:52 |
| S35 | 3633 | 83/74,76.8,65,206,276,277,23,27, 100,152.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/03/19 13:50 |
| S36 | 4108 | 257/686,668,684,783.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 08:53 |
| S37 | 157 | S34 and feed\$4 and conveyor and (film or web oe tape) and (cuT\$4 or blade) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 08:55 |
| S38 | 227 | S35 and feed\$4 and conveyor and (film or web oe tape) and (cuT\$4 or blade) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 10:41 |

EAST Search History

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|-----|------|---|---|----|-----|------------------|
| S39 | 3 | S36 and feed\$4 and conveyor and (film or web oe tape) and (cuT\$4 or blade) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 09:57 |
| S40 | 1 | ("5934167").URPN. | USPAT | OR | OFF | 2004/11/12 09:05 |
| S41 | 15 | ("4693591" "4782365" "4908667" "4969016" "5021824" "5036353" "5181066" "5187520" "5223854" "5260740" "5307114" "5335045" "5412450" "5438388" "5504555").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/12 09:06 |
| S42 | 2 | ("4099433").URPN. | USPAT | OR | OFF | 2004/11/12 09:46 |
| S43 | 18 | ("3020687").URPN. | USPAT | OR | OFF | 2004/11/12 09:53 |
| S44 | 154 | feed\$4 same linear same vacuum same cut\$4 same (hold\$4 or clamp) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 10:10 |
| S45 | 282 | "83"/\$.ccls. and feed\$4 same linear same cut\$4 same (hold\$4 or clamp) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 10:13 |
| S46 | 5 | ("3829346").URPN. | USPAT | OR | OFF | 2004/11/12 10:21 |
| S47 | 5296 | "83"/\$.ccls. and feed\$4 and (film or web oe tape) and (cuT\$4 or blade) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 10:43 |
| S48 | 313 | "83"/\$.ccls. and feed\$4 same move\$4 same linear and (film or web oe tape) and (cuT\$4 or blade) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/12 10:43 |

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|-----|--------|---|---|----|-----|------------------|
| S49 | 37 | ("4594926" "5887502" "5669277" "6220327" "3949653" "6374715" "6065379" "3568554" "6289777" "4442743" "4079647" "4607835" "5984302" "5577719" "3741536" "4051779" "6168153" "2116391" "3877336" "4213361" "4227685" "4776577" "4921566" "4949607" "5080340" "5088367" "5162857" "5511744" "5662018" "5746162" "5836439" "5906305" "6241242" "6391132" "20020000149" "20020149497" "6250868").PN. | US-PGPUB; USPAT | OR | OFF | 2004/11/15 11:45 |
| S50 | 2 | US-4579025-\$.DID. OR US-6405623-\$.DID. | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:00 |
| S51 | 47 | "5837960" | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:03 |
| S52 | 737253 | CUTTING DISK | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:04 |
| S53 | 298 | "83"/\$.CCLS. AND CUT\$4 SAME DISKS | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:05 |
| S54 | 16 | "83"/\$.CCLS. AND CUT\$4 SAME DISKS SAME STRIP | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:27 |
| S55 | 395 | "83"/\$.ccls. and (three or two) same hole same punch | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:52 |
| S56 | 2 | "5839183" | US-PGPUB; USPAT | OR | OFF | 2004/11/16 11:52 |
| S57 | 55 | "83"/\$.ccls. and feed\$4 same linear same suction same (cut\$4 or bldae) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/17 15:04 |
| S58 | 1218 | 83/206,276,277.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 11:40 |
| S59 | 0 | ("5941150").URPN. | USPAT | OR | OFF | 2004/11/17 15:15 |
| S60 | 22 | ("1052344" "1658989" "3035345" "3126631" "3138312" "3470781" "3494235" "3959881" "3971280" "4186633" "4502621" "4712460" "4832229" "4856993" "5181849").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/17 15:15 |
| S61 | 6 | ("5445053").URPN. | USPAT | OR | OFF | 2004/11/17 15:30 |
| S62 | 1 | ("2657926").URPN. | USPAT | OR | OFF | 2004/11/17 18:18 |
| S63 | 2 | ("2214478").URPN. | USPAT | OR | OFF | 2004/11/17 18:39 |

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|-----|-----|--|---|----|-----|------------------|
| S64 | 7 | "2144084" | USPAT | OR | OFF | 2004/11/17 18:39 |
| S65 | 4 | ("2144084").URPN. | USPAT | OR | OFF | 2004/11/17 18:42 |
| S66 | 7 | "2144084" | USPAT | OR | OFF | 2004/11/17 19:09 |
| S67 | 1 | 83/206,276,277.ccls. and vacuum and feed and interface and encoder | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/17 19:15 |
| S68 | 8 | 83/206,276,277.ccls. and vacuum and feed and encoder | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/17 19:16 |
| S69 | 77 | "83"/\$.ccls. and vacuum and feed and encoder | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/17 19:17 |
| S70 | 0 | "83"/\$.ccls. and (vacuum or suction) same feed same static same encoder | US-PGPUB; USPAT | OR | OFF | 2004/11/18 10:25 |
| S71 | 2 | "83"/\$.ccls. and (vacuum or suction) same feed same encoder | US-PGPUB; USPAT | OR | OFF | 2004/11/18 10:26 |
| S72 | 0 | "83"/\$.ccls. and (vacuum or suction) same feed same linear same encoder | US-PGPUB; USPAT | OR | OFF | 2004/11/18 10:26 |
| S73 | 17 | (vacuum or suction) same feed same linear same encoder | US-PGPUB; USPAT | OR | OFF | 2004/11/18 10:43 |
| S74 | 8 | "83"/\$.ccls. and (vacuum or suction) same (feed or grip) same linear same move\$4 | US-PGPUB; USPAT | OR | OFF | 2004/11/18 10:47 |
| S75 | 298 | (vacuum or suction) same (feed or grip) same linear same move\$4 | US-PGPUB; USPAT | OR | OFF | 2004/11/18 10:47 |
| S76 | 425 | 257/686,668,684,783.ccls. and vacuum | US-PGPUB; USPAT | OR | OFF | 2004/11/18 11:12 |
| S77 | 0 | ("2002/0109217").URPN. | USPAT | OR | OFF | 2004/11/18 11:15 |
| S78 | 76 | 83/206,276,277.ccls. and vacuum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:30 |

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|-----|--------|---|---|----|----|------------------|
| S79 | 0 | adhesive near film near static near collet\$5 same reel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:35 |
| S80 | 0 | adhesive near film same static same collet\$5 same reel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:35 |
| S81 | 0 | film same static same collet\$5 same reel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:36 |
| S82 | 578530 | low near static same material same cintact same fil or web | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:37 |
| S83 | 578530 | (low near static) same material same contact\$4 same fil or web | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:38 |
| S84 | 20 | (low near static) same material same contact\$4 same (film or web) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:42 |
| S85 | 27 | (low near static) same material same contact\$4 same (film or web or sheet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:44 |
| S86 | 334 | ((low or anti) near static) same material same contact\$4 same (film or web or sheet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 15:53 |

EAST Search History

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|-----|---------|---|---|----|----|------------------|
| S87 | 61 | ((low or anti) near static) same material same contact\$4 same (film or web or sheet) same roller | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 16:35 |
| S88 | 282 | Film same loop same sensor same (roll\$4 or reel) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 17:37 |
| S89 | 385048 | (optical near sensor) same (pick near up near device) and semiconductor or wafer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 17:39 |
| S90 | 12 | (optical near sensor) same (pick near up near device) and (semiconductor or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 17:41 |
| S91 | 3 | "83"/\$.ccls. and (optical near sensor) same (semiconductor or wafer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 17:42 |
| S92 | 3 | "83"/\$.ccls. and (optical near sensor) same inspection and cut\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 17:59 |
| S93 | 3 | "83"/\$.ccls. and (optical near sensor) same inspection | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 18:11 |
| S94 | 1040614 | "83"/\$.ccls. and (collect\$4 near reel) same film or adhesive | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 18:12 |

EAST Search History

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|----------|-------|---|---|----|-----|------------------|
| S95 | 2 | "83"/\$.ccls. and (collect\$4 near reel) same (film or adhesive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/18 18:27 |
| S96 | 58269 | "83"/\$.ccls. sensor same detect\$\$ same (end near1 (web or workpiece or sheet or work or film)) same (roller or roll) | US-PGPUB; USPAT | OR | ON | 2004/11/18 18:30 |
| S97 | 58118 | "83"/\$.ccls. sensor same detect\$\$ same end near1 (web or sheet) same (roller or roll) | US-PGPUB; USPAT | OR | ON | 2004/11/18 18:31 |
| S98 | 57462 | "83"/\$.ccls. sensor near detect\$\$ same end same presence near1 (web or sheet) same (roller or roll) | US-PGPUB; USPAT | OR | ON | 2004/11/18 18:32 |
| S99 | 0 | "83"/\$.ccls. and sensor near detect\$\$ same end same presence near1 (web or sheet) same (roller or roll) | US-PGPUB; USPAT | OR | ON | 2004/11/18 18:32 |
| S10 0 | 13 | "83"/\$.ccls. and sensor near detect\$\$ same end near1 (web or sheet) same (roller or roll) | US-PGPUB; USPAT | OR | ON | 2004/11/18 19:32 |
| S10 1 | 1 | "83"/\$.ccls. and sensor near detect\$\$ same presence near1 (web or sheet) same (roller or roll) | US-PGPUB; USPAT | OR | ON | 2004/11/18 19:33 |
| S10 2 | 3641 | 257/686,668,684,783.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/05/26 19:24 |
| S10 3 | 0 | "83"/\$.ccls. and (sensors near4 distance) same sheet same roll and cut\$4 | US-PGPUB; USPAT | OR | OFF | 2005/05/26 19:29 |
| S10 4 | 5 | "83"/\$.ccls. and (sensors near4 distance) same roll and cut\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/05/26 19:38 |
| S10 5 | 5 | "83"/\$.ccls. and (sensors near4 distance) same (roll near (paper or sheet or web or film or tape)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/05/26 19:39 |
| S10 6 | 13 | (sensors near4 distance) same (roll near (paper or sheet or web or film or tape)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/05/26 19:39 |
| S10 7 | 1 | "60426710" | US-PGPUB; USPAT | OR | OFF | 2005/05/31 11:44 |
| S10 8 | 0 | ("60426710").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:44 |

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| S10 9 | 0 | "BEHBAHANY.INV" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:45 |
| S11 0 | 0 | "behbahany.inv" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:50 |
| S11 1 | 0 | "10713293" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:50 |
| S11 2 | 0 | ("10713293").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:50 |
| S11 3 | 0 | "behbahany.inv." | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:50 |
| S11 4 | 2 | behbahany.inv. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/31 11:50 |
| S11 5 | 1 | ("2657926").URPN. | USPAT | OR | OFF | 2005/09/26 15:23 |
| S11 6 | 0 | ("5941150").URPN. | USPAT | OR | OFF | 2005/09/26 15:26 |
| S11 7 | 22 | ("1052344" "1658989" "3035345" "3126631" "3138312" "3470781" "3494235" "3959881" "3971280" "4186633" "4502621" "4712460" "4832229" "4856993" "5181849").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/26 15:26 |
| S11 8 | 83 | "83"/\$.ccls. and linear near4 feed and roll\$4 and feed\$4 and (trim\$4 or cut\$4) | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:19 |

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|----------|------|---|------------------------------|----|-----|------------------|
| S11 9 | 109 | "83"/\$.ccls. and (linear near4 feed) and(trim\$4 or cut\$4) | US-PGPUB; USPAT | OR | OFF | 2005/09/26 15:52 |
| S12 0 | 26 | "83"/\$.ccls. and (linear near4 feed) and(trim\$4 or cut\$4) not S118 | US-PGPUB; USPAT | OR | OFF | 2005/09/26 15:54 |
| S12 1 | 26 | "83"/\$.ccls. and linear same feed\$4 same web same (trim\$4 or cut\$4) not S118 | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:05 |
| S12 2 | 15 | "83"/\$.ccls. and linear near4 feeder | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:08 |
| S12 3 | 50 | "83"/\$.ccls. and linear same feeder | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:08 |
| S12 4 | 16 | "83"/\$.ccls. and linear same feeder and clamp | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:08 |
| S12 5 | 3 | ("3664222").URPN. | USPAT | OR | OFF | 2005/09/26 16:10 |
| S12 6 | 24 | ("2290138" "2325054" "2446305" "2595060" "2684655" "2858885" "3053128" "3153361" "3202028" "3245297" "3320842" "3466959").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/26 16:14 |
| S12 7 | 0 | "83"/\$.ccls. and labl44 near cut\$4 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/09/26 16:14 |
| S12 8 | 88 | "83"/\$.ccls. and linear near4 feed and roll\$4 | US-PGPUB; USPAT | OR | OFF | 2005/09/26 17:47 |
| S12 9 | 0 | "83"/\$.ccls. and labl\$4 near cut\$4 | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:20 |
| S13 0 | 0 | "83"/\$.ccls. and labl\$4 near cut\$4 | US-PGPUB; USPAT | OR | OFF | 2005/09/26 16:20 |
| S13 1 | 1812 | (linear near4 feed\$4) and roll\$4 and cut\$4 and (type or web or lable) | US-PGPUB; USPAT | OR | OFF | 2005/09/26 17:48 |
| S13 2 | 124 | (linear near4 feed\$4) and roll\$4 and cut\$4 and (type or web or lable) and clamp\$4 and blade | US-PGPUB; USPAT | OR | OFF | 2005/09/26 17:59 |
| S13 3 | 0 | "83"/\$.ccls. and (label near4 cut\$) | US-PGPUB; USPAT | OR | OFF | 2005/09/26 18:00 |
| S13 4 | 0 | "83"/\$.ccls. and (label near4 cut\$4) | US-PGPUB; USPAT | OR | OFF | 2005/09/26 18:00 |
| S13 5 | 228 | "83"/\$.ccls. and (label near4 cut\$4) | US-PGPUB; USPAT | OR | OFF | 2005/09/26 18:00 |
| S13 6 | 6 | ("5079980").URPN. | USPAT | OR | OFF | 2005/09/26 18:12 |
| S13 7 | 2551 | 83/74,76.8,65,206,276,277,23,27,100,152.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/09/27 11:41 |

EAST Search History

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|----------|------|---|---|----|-----|------------------|
| S13 8 | 0 | "83"/\$.CCLS. AND SENICONDUCTOR NEAR4 (CUT\$4 OR TRIM\$4) AND BLADE AND DISK AND MEASURE\$5 | US-PGPUB; USPAT | OR | OFF | 2005/09/27 11:42 |
| S13 9 | 7 | "83"/\$.CCLS. AND (SEMICONDUCTOR NEAR4 (CUT\$4 OR TRIM\$4)) AND BLADE AND DISK AND MEASURE\$5 | US-PGPUB; USPAT | OR | OFF | 2005/09/27 11:43 |
| S14 0 | 24 | ("5718615").URPN. | USPAT | OR | OFF | 2005/09/27 12:34 |
| S14 1 | 6 | (tape near dispen\$4) same feed\$4 same (cut\$4 or trim\$4) same linear same adhesive | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/30 20:16 |
| S14 2 | 15 | (tape near dispen\$4) same feed\$4 same (cut\$4 or trim\$4) same linear | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/30 20:18 |
| S14 3 | 474 | (tape near dispen\$4) same feed\$4 same (cut\$4 or trim\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/30 20:19 |
| S14 4 | 4881 | 257/686,668,684,783.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/03/30 21:40 |
| S14 5 | 6 | "4672742" | US-PGPUB; USPAT | OR | OFF | 2006/03/31 16:16 |
| S14 6 | 1 | "20030127182" | US-PGPUB; USPAT | OR | OFF | 2006/03/31 16:16 |
| S14 7 | 11 | "5079980" | US-PGPUB; USPAT | OR | OFF | 2006/09/11 19:13 |
| S14 8 | 6 | "3813974" | US-PGPUB; USPAT | OR | OFF | 2006/09/11 19:13 |
| S14 9 | 8407 | 83/13,117,835,452,453,454,209, 210,211,221,98,613,167,649,74,76. 8,65,206,277,23,27,100,152,276, 236,262,387,386,459,460,375,395, 383,384.ccls. | US-PGPUB; USPAT | OR | OFF | 2006/09/12 13:38 |

EAST Search History

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|----------|-------|---|--|----|----|------------------|
| S15 0 | 13928 | 83/13,117,835,452,453,454,209, 210,211,221,98,613,167,649,74,76. 8,65,206,277,23,27,100,152,276, 236,262,387,386,459,460,375,395, 383,384.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 15:17 |
| S15 1 | 5175 | 257/686,668,684,783.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:39 |
| S15 2 | 92 | 226/118,121.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:39 |
| S15 3 | 1070 | 19/114,112,97.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:39 |
| S15 4 | 297 | 57/408.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:39 |
| S15 5 | 20512 | S150 or S151 or S152 or S153 or S154 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 13:40 |
| S15 6 | 1072 | S155 and clamp\$4 and cut\$4 and (web or film or roll or sheet) and feed\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:00 |

EAST Search History

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|----------|------|---|--|----|-----|------------------|
| S15 7 | 12 | "4672472" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:01 |
| S15 8 | 7 | "4672742" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:02 |
| S15 9 | 2 | "2003127182" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:02 |
| S16 0 | 4 | "200210917" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/12 14:02 |
| S16 1 | 3921 | 83/177,452,453,454,209,210,211, 221,98,613,167,649.ccls. | US-PGPUB; USPAT | OR | OFF | 2007/03/19 11:30 |
| S16 2 | 3798 | 83/74,76.8,65,206,276,277,23,27, 100,152.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 18:43 |
| S16 3 | 0 | (83/\$.ccls. and(clampwithfilmwithcut\$4)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/14 12:10 |
| S16 4 | 46 | "83"/\$.ccls. and (clamp with film with cut\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/14 12:29 |

EAST Search History

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|----------|------|---|--|----|-----|------------------|
| S16 5 | 187 | "83"/\$.ccls. and ((clamp with (film or web) with cut\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/14 16:25 |
| S16 6 | 14 | "4716069" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/09/14 16:26 |
| S16 7 | 3815 | 83/74,76.8,65,206,276,277,23,27, 100,152.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 18:43 |
| S16 8 | 9 | "2657926" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/14 18:44 |